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Canada

ELECTRONICS INDUSTRY PERFORMANCE

STATISTICAL SUMMARY 1984

Government of Canada / Gouvernement du Canada
Regional Industrial Expansion / Expansion industrielle régionale

Electronics Industry Performance
Statistical Summary
1984

Sector Analysis Division
Electronics Directorate
Electronics and Aerospace Branch
(GELA)
Department of Regional Industrial
Expansion
June, 1985

INTRODUCTION

This document has been designed as a ready reference to the statistical performance of the Canadian electronics industry. Based upon Statistics Canada information, it provides detailed production, trade and employment information for 1984 as well as trends since 1964. Highlighted are the key markets for Canadian electronic products as well as the countries that are major suppliers to Canada, although not part of the electronics industry. Similar coverage is provided for the small and major appliance sectors.

The Electronics and Aerospace Branch and its predecessors have been publishing this document on an annual basis since 1964 as a service to firms in the industry and analysts inside and outside government who are interested in the development and growth of this dynamic sector. We are most interested in ensuring that the document is useful to its readers and would welcome any comments regarding improvements in content and format.

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Published June, 1985
(aussi publié en français)

TABLE OF CONTENTS

	Page
GENERAL	
Industry Selling Price Indexes (1971 = 100)	1
Total Intramural R&D Expenditures	2
Investment Statistics	3
PERFORMANCE OF ELECTRONICS INDUSTRY & HHLD. ELEC. APPLIANCES	
Industry Highlights	7
Graph - 1984 & 1983 Electronics Ind. & Hhld. Elec. Appls. by S.I.C.	9
- 1984 & 1978 - Shipments	11
- 1984 & 1978 - Imports	13
- 1984 & 1978 - Exports	15
- 1984 & 1978 - A.D.M.	17
Domestic Market & Foreign Trade 1978 - 1984	19
Table 1 - Market Share & Growth Rates; Shipments Imports and Exports	26
Table 2 - Imports by Significant Source Countries	27
Table 3 - Exports by Significant Markets	28
Table 4 - Employment	29
IMPORTS OF ELECTRONICS INDUSTRY & HHLD. ELEC. APPLIANCES	
Table 5 - Leading Imports	33
Table 6 - 1984 Imports by product for S.I.C. 331	34
Table 7 - 1984 Imports by product for S.I.C. 332	37
Table 8 - 1984 Imports by product for S.I.C. 334	40
Table 9 - 1984 Imports by product for S.I.C. 335	41
Table 10 - 1984 Imports by product for S.I.C. 318	44
Table 11 - 1984 Imports by product for S.I.C. 3911	46
EXPORTS. OF ELECTRONICS INDUSTRY & HHLD. ELEC. APPLIANCES	
Table 12 - Leading Exports	51
Table 13 - 1984 Exports by product for S.I.C. 331	52
Table 14 - 1984 Exports by product for S.I.C. 332	53
Table 15 - 1984 Exports by product for S.I.C. 334	55
Table 16 - 1984 Exports by product for S.I.C. 335	56
Table 17 - 1984 Exports by product for S.I.C. 318	58
Table 18 - 1984 Exports by product for S.I.C. 3911	59
MISCELLANEOUS TABLES	
Trade Commodity Classification 1984	62

INDUSTRY SELLING PRICE INDEXES (1971 = 100)

SIC	Industry Sub-Sector	1980	1981	1982	1983	1984
331	- Small Appliances	154.0	167.5	183.0	188.1	192.6
332	- Major Appliances	182.7	205.2	226.7	241.4	248.9
334	- Radio & Television	122.3	128.5	128.6	127.1	120.8
335	- Communications & Components	171.3	180.1	186.4	191.2	198.5
318	- Office & Store Machinery	n.a.	n.a.	n.a.	n.a.	n.a.
3911	- Instruments	n.a.	n.a.	n.a.	n.a.	n.a.

Source: Statistics Canada - Cat. 62-011

TOTAL INTRAMURAL R&D EXPENDITURES

	1977	1978	1979	1980	1981	1982	1983	1984P
	$000,000							
Business Machines	14	18	27	45	60	90	108	125
Communications Equipment	151	175	218	264	387	521	657	769
Scientific & Professional Equipment	6	9	10	13	20	27	29	35
Total Manufacturing	668	791	987	1225	1642	1927	2002	2179
Total Mines & Wells	49	55	109	129	195	175	115	134
Total Services	140	160	170	216	289	392	402	482
Total All Industries	857	1006	1266	1570	2126	2494	2518	2795

Source: Science Statistics Centre - Cat. No. 88-001
270 Albert Street
Michel L. Boucher
(613) 990-9919

INVESTMENT STATISTICS

		Capital Expenditures	Repair Expenditures	Total
		- millions of dollars -		
Small Electrical Appliances	1978	3.2	2.0	5.2
	1979	5.7	2.5	8.2
	1980	9.0	3.0	12.0
	1981	2.8	0.8	3.6
	1982	7.8	3.9	11.7
	1983	7.1	3.0	10.1
	1984	8.6	4.1	12.7
Major Appliances Electric and Non-Electric	1978	14.2	4.6	18.8
	1979	13.9	5.1	19.0
	1980	13.3	5.4	18.7
	1981	8.4	6.4	14.8
	1982	8.4	6.4	14.8
	1983	14.5	8.3	22.8
	1984	26.8	9.8	36.6
Household Radio and Television Receivers	1978	8.2	1.9	10.1
	1979	12.0	2.3	14.3
	1980	16.6	2.7	19.3
	1981	10.6	3.2	13.8
	1982	8.0	3.5	11.5
	1983	7.4	4.6	12.0
	1984	16.4	4.0	20.4
Communications Equipment	1978	42.6	21.8	64.4
	1979	64.8	22.3	87.1
	1980	117.7	21.2	138.9
	1981	185.1	28.6	213.7
	1982	178.2	34.4	212.6
	1983	249.9	32.5	282.4
	1984	271.8	43.2	315.0
Office and Store Machinery	1978	32.9	4.6	37.5
	1979	46.5	7.3	53.8
	1980	65.0	7.5	72.5
	1981	103.1	10.0	113.1
	1982	111.0	10.3	121.3
	1983	96.8	20.0	116.8
	1984	117.6	25.1	142.7
Scientific and Professional Equipment Industries	1978	23.3	12.5	35.8
	1979	23.5	14.9	38.4
	1980	42.6	19.3	61.9
	1981	57.5	17.5	75.0
	1982	50.7	21.6	72.3
	1983	62.1	23.4	85.5
	1984	57.0	24.3	81.3
Total Manufacturing	1978	6 178.2	3 595.6	9 773.8
	1979	7 443.6	4 097.7	11 541.3
	1980	9 746.8	4 731.3	14 478.1
	1981	12 739.3	4 955.1	17 694.4
	1982	11 492.5	4 854.3	16 346.8
	1983	8 801.7	4 897.5	13 699.2
	1984	8 584.4	5 084.7	13 669.1

Source: Statistics Canada #61-214

PERFORMANCE OF THE

ELECTRONICS INDUSTRY & HOUSEHOLD ELECTRICAL APPLIANCES

INDUSTRY HIGHLIGHTS

Electronics

Canadian demand for electronics products in 1984 was sharply higher than in 1982 and 1983. The apparent domestic market rose by 28 per cent from just over $9 billion in 1983 to almost $12 billion in 1984. While this resurgence for the year was very impressive, most of the strength came in the early quarters and thereafter growth was definitely on a downward path. In our view some further earnings of the Canadian market are likely in 1985.

At the peak in the second quarter, the domestic market was 39 per cent higher than in the corresponding prior quarter. But growth was only 17 per cent by the fourth quarter as the resurgence in demand was quickly running out of steam.

Leading the robust performance of the industry were the office machines and radio and television sectors with growth rates of 46 per cent and 33 per cent respectively. Demand in the home market for products of the communications and components and instruments sectors was lackluster by comparison.

The increased domestic market demand in 1984 was satisfied more by foreign manufacturers than Canadian. The market rise of $2.6 billion was less than the increase of imports which rose by $3 billion. Thus home manufacturers actually gave up market share to the extent of $400 million. At the end of the year Canadian producers had achieved just a 14 per cent share of the domestic market.

Canada's exports performance, was however rather better. Annual growth for exports was 41 per cent and on a level with that of imports. However, fourth quarter growth for exports was also 41 per cent, whereas, import growth dropped to 26 per cent as the domestic demand slackened.

Overall however Canadian performance was disappointing. The unfavourable balance-of-trade in 1984 reached $5 308 million, up sharply from $3 716 million in 1983.

The relative performance of the telecommunication and computer and office machine sectors is significant. Back in 1979 when the industry's trade deficit stood at a relatively low $1 989 million, computers and office machines accounted for $720 million and communications and components accounted for $590 million. By 1984, the computer and office machine trade deficit had mushroomed to $3 060 million while that of communication and components had contracted to $443 million. With the unfavourable trade balance of the industry so tied to the performance in office machines, the latter sector's trade deficit increased over $1 billion (53 per cent) in the past year and is cause for concern. If there is a bright spot in the industry, it is the communications and components sector. Not only is its annual trade deficit on a downward trend, the sector actually returned a trade surplus in the final quarter of 1984.

The road to that surplus is mapped out below.

TRADE BALANCE ($ MILLIONS)

KEY COMMODITY CLASSES

1984 QUARTER	TELEPHONE EQUIPMENT	COMMERCIAL COMM. EQUIP.	ALL OTHER CLASSES	TOTAL SECTOR
1 ST.	107	32	(302)	(163)
2 ND.	144	14	(335)	(177)
3 RD.	147	18	(306)	(141)
4 TH.	190	106	(262)	38

As appears, the final quarter's surplus in telephone equipment was very strong and quite exceptional in commercial communication equipment. What the future holds here will depend, in the former, on continuing the high level of exports to the United States ($181 million in the final quarter and up from $128 million in the third quarter); and, in the latter, on exports to Brazil. Exports to Brazil in the fourth quarter were $80 million or 87 per cent of the year's total and higher than exports to the United States for the quarter.

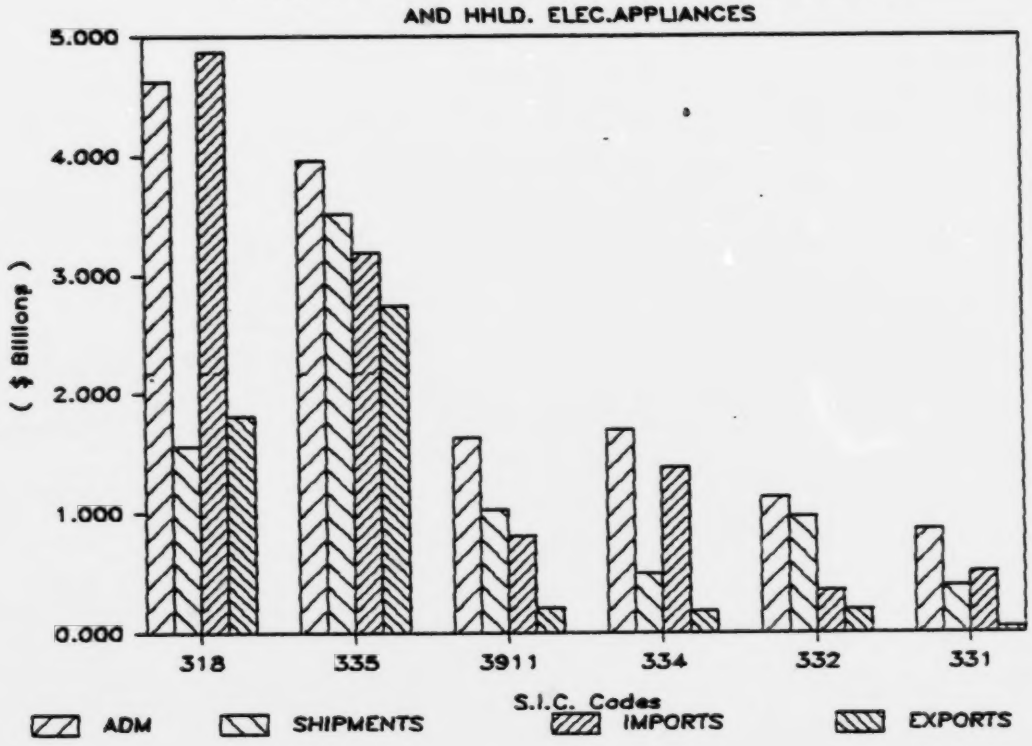
HOUSEHOLD APPLIANCES

The domestic market for major appliances was not nearly as strong as in 1983. Expansion in 1984 was 6 per cent versus 20 per cent in the prior year. Although Canadian demand slackened, imports added $65 million more to the home market to take up all of the 6 per cent market growth to the exclusion of Canadian shipments.

Home demand for small appliances was stronger than in 1983 in contrast to major appliances. This allowed Canadian shipments to expand by contributing to the improved home market and by increasing exports.

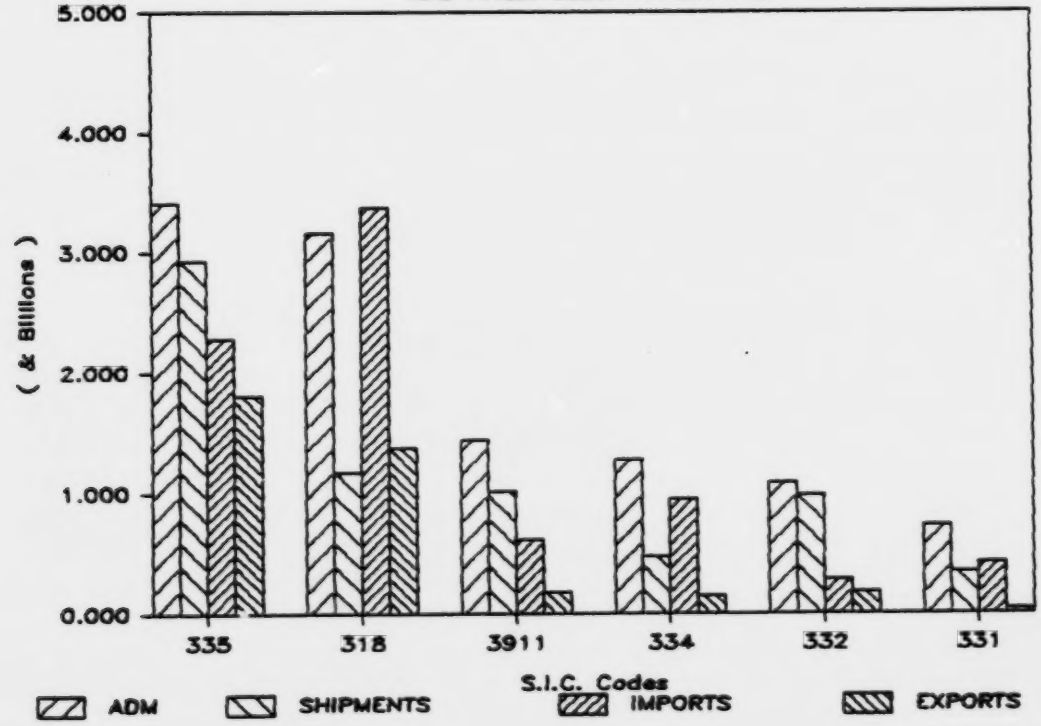
1984 ELECTRONICS INDUSTRY

AND HHLD. ELEC.APPLIANCES

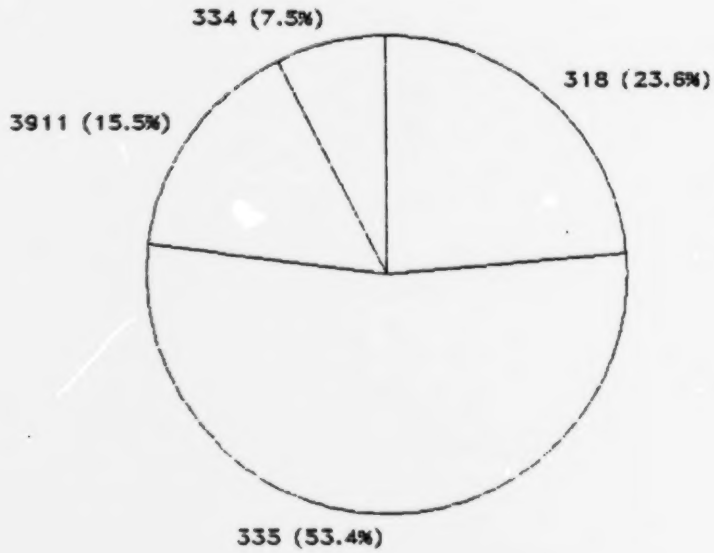


1983 ELECTRONICS INDUSTRY

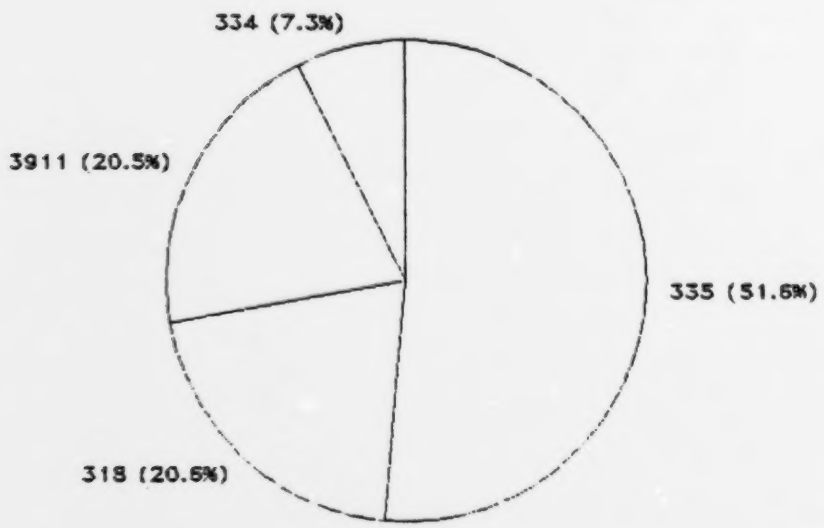
AND HHLD. ELEC. APPLIANCES



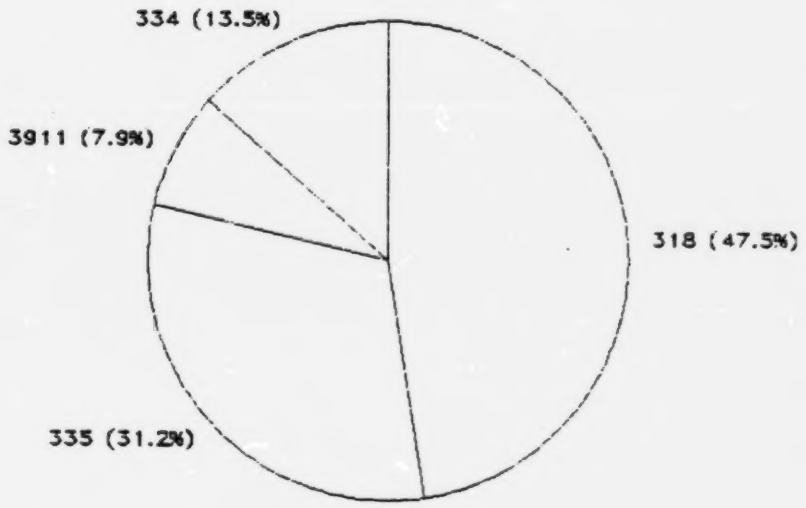
1984 ELECTRONICS INDUSTRY SHIPMENTS
BY S.I.C. SUB-SECTORS



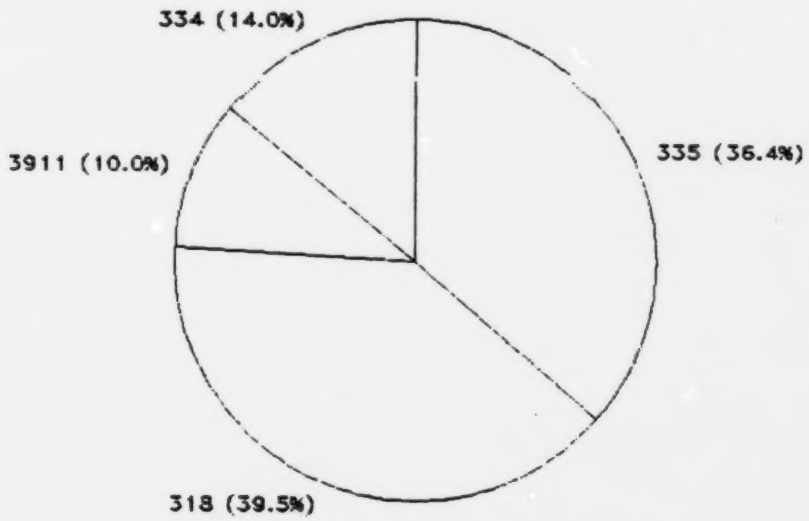
1979 ELECTRONICS INDUSTRY SHIPMENTS
BY S.I.C. SUB-SECTORS



1984 ELECTRONICS INDUSTRY IMPORTS
BY S.I.C. SUB-SECTORS

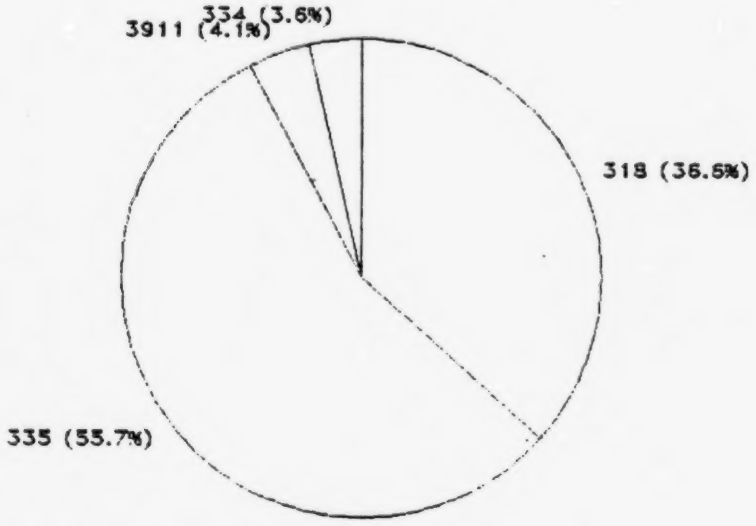


1979 ELECTRONICS INDUSTRY IMPORTS
BY S.I.C. SUB-SECTORS



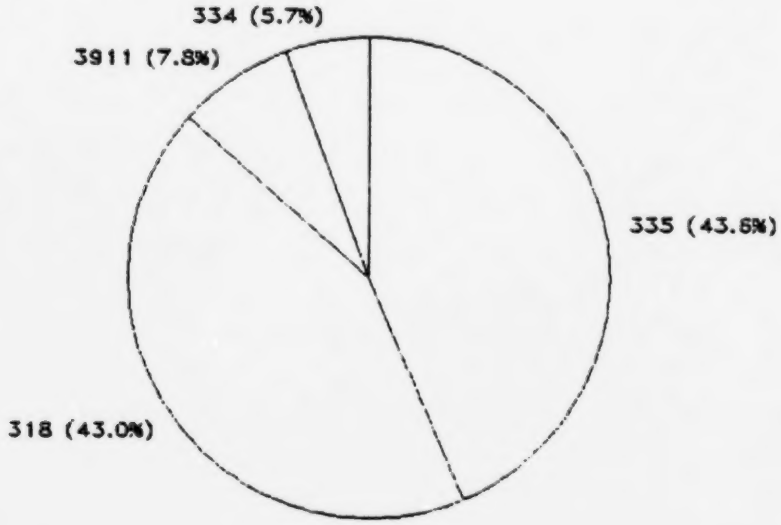
1984 ELECTRONICS INDUSTRY EXPORTS

BY S.I.C. SUB-SECTORS



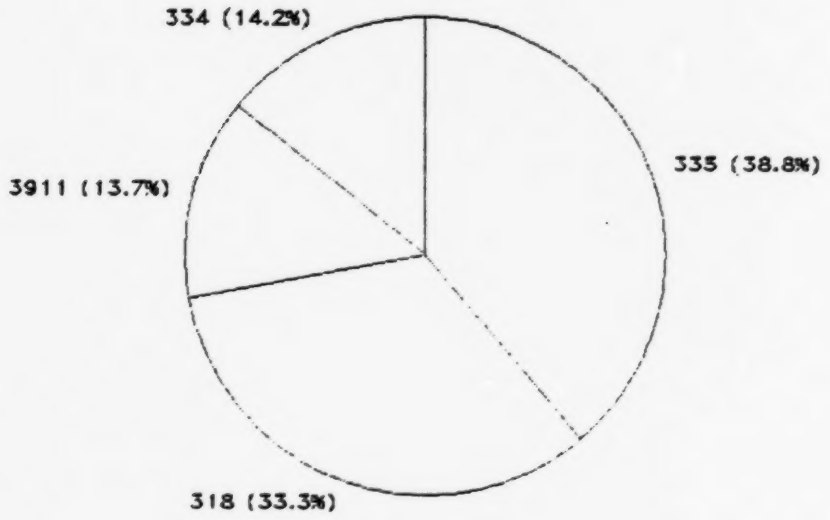
1979 ELECTRONICS INDUSTRY EXPORTS

BY S.I.C. SUB-SECTORS



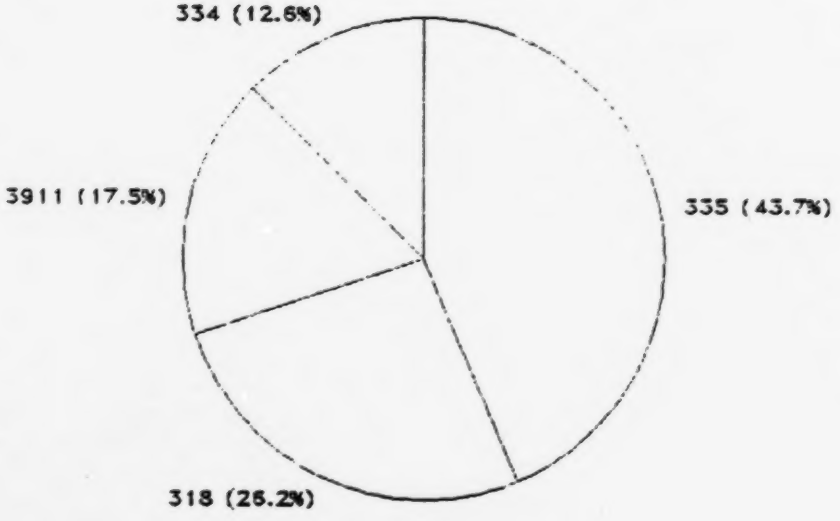
1984 ELECTRONICS INDUSTRY A.D.M.

BY S.I.C. SUB-SECTORS



1979 ELECTRONICS INDUSTRY A.D.M.

BY S.I.C. SUB-SECTORS



1984

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars - Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)	Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Preliminary
Total Electronics Industry	6591	10244	4258	676	4934	11901	86.1	64.6	(5310)	55.4	85251
334 - Radio and Television	492	1378	171	5	176	1694	81.3	34.8	(1202)	29.0	3817
335 - Communications & Components	3517	3193	2551	198	2749	3961	80.6	72.5	(444)	88.8	47627
338 - Office & Store Machinery	1558	4866	1377	428	1805	4619	105.3	88.4	(3061)	33.7	14571
3911- Instruments (est.)	1024	807	159	45	204	1627	49.6	15.5	(603)	62.9	19236
Household Electrical Appliances Ind.	1357	860	220	14	234	1983	43.4	16.2	(626)	68.4	11152
331 - Small Appliances	389	509	36	5	41	857	59.4	9.3	(468)	45.4	3618
332 - Major Appliances	968	351	184	9	193	1126	31.2	19.0	(158)	86.0	7534

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Prel. Cat. 31-001
Employment: Prel. Cat. 72-002

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES 1983

Industry Grouping	- million dollars -											Employment - Units - Preliminary
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)	Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %		
Total Electronics Industry	5588	7218	3003	502	3505	9301	77.6	53.7	-3713	60.1		82405
334 - Radio and Television	474	948	140	5	145	1277	74.2	29.5	- 803	37.1		3788
335 - Communications & Components	2934	2284	1656	149	1805	3413	66.9	56.4	- 479	86.0		44578
318 - Office & Store Machinery	1170	3375	1068	310	1378	3167	106.6	91.3	-1997	36.9		14499
3911- Instruments (est.)	1010	611	139	38	177	1444	42.3	13.8	- 434	69.9		19540
Household Electrical Appliances Ind.	1321	708	201	11	212	1817	39.0	15.2	- 496	72.1		12083
331 - Small Appliances	344	423	29	4	33	734	56.7	8.1	- 390	47.7		3737
332 - Major Appliances	977	285	172	7	179	1083	27.6	17.6	- 106	89.7		8346

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Prel. Cat. 31-001
Employment: Prel. Cat. 72-002

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES 1982

Industry Grouping	- million dollars -											Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)	Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %		
Total Electronics Industry	5655	6287	2599	420	3019	8923	70.5	46.0	-3268	63.4		82018
334 - Radio and Television	388	680	107	5	112	956	71.1	27.6	-568	40.6		2857
335 - Communications & Components	3055	1876	1424	118	1542	3389	55.4	46.6	-334	90.1		45629
318 - Office & Store Machinery	1180	3144	927	260	1187	3137	100.2	78.6	-1957	37.6		16930
3911- Instruments	1032	587	141	37	178	1441	40.7	13.7	-409	71.6		16594
Household Electrical Appliances Ind.	1090	604	173	12	185	1509	40.0	15.9	-419	72.2		15019
331 - Small Appliances	353	363	25	4	29	687	52.8	7.1	-334	51.4		5147
332 - Major Appliances	737	241	148	8	156	822	29.3	20.1	-85	89.7		9872

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Census of Mfrs.
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

1981

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total Electronics Industry	5337	6194	2486	376	2862	8669	71.4	46.6	-3332	61.6	82815
334 - Radio and Television	416	698	86	4	90	1024	68.2	20.7	- 608	40.6	3327
335 - Communications & Components	2786	2038	1368	99	1467	3357	60.7	49.1	- 571	83.0	46330
338 - Office & Store Machinery	1147	2883	874	237	1111	2919	98.8	76.2	-1772	39.3	16161
3911- Instruments	988	575	158	36	194	1369	42.0	16.0	- 381	72.2	16197
Household Electrical Appliances Ind.	1199	694	178	12	190	1703	40.8	14.8	- 504	70.4	18212
331 - Small Appliances	322	417	27	5	32	707	59.0	8.4	- 385	45.5	5368
332 - Major Appliances	877	277	151	7	158	996	27.8	17.2	- 119	88.1	12844

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Census of Mfrs.
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

1980

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total Electronics Industry	4450	4853	1996	321	2317	6986	69.5	44.9	-2536	63.7	74853
334 - Radio and Television	352	536	68	6	74	814	65.8	19.3	- 462	43.2	2889
335 - Communications & Components	2329	1691	1041	97	1138	2882	58.7	44.7	- 553	80.8	43343
338 - Office & Store Machinery	889	2138	739	187	926	2101	101.8	83.1	-1212	42.3	13540
3911- Instruments	880	488	148	31	179	1189	41.0	16.8	- 309	74.0	15081
Household Electrical Appliances Ind.	1170	596	155	9	164	1602	37.2	13.2	- 432	73.0	18991
331 - Small Appliances	307	342	20	3	23	626	54.6	6.5	- 319	49.0	5167
332 - Major Appliances	863	254	135	6	141	976	26.0	15.6	- 113	88.4	13824

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Census of Mfrs.
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

1979

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports A.D.M. %	Domestic Exports Ship. %	Trade Balance $ Millions	Ship. A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total Electronics Industry	3518	3874	1620	265	1885	5507	70.3	46.0	-1989	63.9	68664
334 - Radio and Television	257	544	104	3	107	694	78.4	40.5	- 437	37.0	2946
335 - Communications & Components	1814	1411	750	71	821	2404	58.7	41.3	- 590	75.5	39326
338 - Office & Store Machinery	725	1530	642	168	810	1445	105.9	88.6	- 720	50.2	11791
3911- Instruments	722	389	124	23	147	964	40.4	17.2	- 242	74.9	14601
Household Electrical Appliances Ind.	1091	569	149	7	156	1504	37.8	13.7	- 413	72.5	19045
331 - Small Appliances	298	314	20	2	22	590	53.2	6.7	- 292	50.5	5161
332 - Major Appliances	793	255	129	5	134	914	27.9	16.3	- 121	86.8	13884

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Census of Mfrs.
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

1978

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total Electronics Industry	2869	3065	1186	158	1344	4590	66.8	41.3	-1721	62.5	59850
334 - Radio and Television	172	512	95	1	96	588	87.1	55.2	- 416	29.3	2332
335 - Communications & Components	1532	1007	528	45	573	1966	51.2	34.5	- 434	77.9	37895
338 - Office & Store Machinery	547	1243	475	99	574	1216	102.2	86.8	- 669	45.0	9629
3911- Instruments	618	303	88	13	101	820	37.0	14.2	- 202	75.4	13491
Household Electrical Appliances Ind.	958	514	103	7	110	1362	37.7	10.8	- 404	70.3	17987
331 - Small Appliances	259	269	12	2	14	514	52.3	4.6	- 255	50.4	5181
332 - Major Appliances	699	245	91	5	96	848	28.9	13.0	- 149	82.4	12806

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Census of Mfrs.
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

TABLE 1

MARKET SHARE AND GROWTH RATES

SHIPMENTS

SIC	Description	1984 % of Total	1984-1983 % Change	1983-1978 A.A.G.R.
331	- Small Appliances	29	13.1	5.8
332	- Major Appliances	71	(0.9)	6.9
	TOTAL Household Appliances	100	2.7	6.6
334	- Radio & Television	7	4.2	22.5
335	- Communications & Components	53	19.9	13.9
318	- Office & Store Machinery	24	33.2	16.4
3911	- Instruments	16	1.4	10.3
	TOTAL Electronics	100	18.0	14.2

IMPORTS

331	- Small Appliances	59	20.3	9.5
332	- Major Appliances	41	23.2	3.1
	TOTAL Household Appliances	100	21.5	6.6
334	- Radio & Television	13	45.4	13.1
335	- Communications & Components	31	39.8	17.8
318	- Office & Store Machinery	48	44.2	22.0
3911	- Instruments	8	32.1	15.0
	TOTAL Electronics	100	41.9	18.7

TOTAL EXPORTS

331	- Small Appliances	18	24.2	18.7
332	- Major Appliances	82	7.2	13.3
	TOTAL Household Appliances	100	9.9	14.0
334	- Radio & Television	4	21.4	8.6
335	- Communications & Components	56	52.3	26.0
318	- Office & Store Machinery	36	31.0	19.1
3911	- Instruments	4	15.3	11.9
	TOTAL Electronics	100	40.8	21.5

TABLE 2 - IMPORTS - HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES
SIGNIFICANT SOURCE COUNTRIES, BY SECTOR

($ Millions)

	Office and Store Machinery					Communications and Components					Instruments					Radio and Television				
	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
U.S.A.	1880	2565	2820	2922	4220	1283	1523	1431	1709	2397	439	519	528	542	715	200	209	198	224	306
Japan	121	160	147	239	315	185	253	191	241	336	5	6	8	8	12	178	303	322	497	716
United Kingdom	22	22	16	20	27	44	34	30	35	44	16	17	17	18	24	-	-	-	-	1
West Germany	24	21	19	24	29	25	23	20	25	34	6	7	6	9	13	-	-	-	1	1
Taiwan	-	5	10	22	47	37	59	56	76	96	-	-	-	1	2	51	49	34	36	62
South Korea	-	-	-	5	9	11	16	21	27	37	-	-	2	2	2	55	70	57	92	146
Mexico	-	-	1	6	14	22	39	40	64	76	-	-	-	-	-	-	-	-	11	5
Hong Kong	-	-	8	39	18	-	-	17	37	-	-	-	-	-	1	-	-	35	36	49
All Countries	2138	2882	3144	3375	4866	1691	2038	1876	2284	3193	488	575	587	611	807	536	698	680	948	1378

	Major Appliances					Small Appliances				
	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
U.S.A.	188	189	142	179	217	256	312	254	285	321
Japan	27	55	63	69	89	9	16	14	22	30
United Kingdom	4	1	1	1	1	-	-	4	5	4
West Germany	-	-	2	2	3	11	11	12	18	23
Taiwan	-	-	9	10	12	-	-	7	9	16
France	-	-	-	1	2	10	7	6	6	12
Sweden	-	-	-	4	5	-	-	-	-	1
Switzerland	-	-	-	3	2	-	-	-	3	3
Hong Kong	-	-	-	1	1	25	33	38	42	45
All Countries	254	277	241	285	351	342	417	363	423	509

TABLE 3 - TOTAL EXPORTS - HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES
SIGNIFICANT MARKETS, BY SECTOR

($ Millions)

	Office and Store Machinery					Communications and Components					Instruments					Radio and Television				
	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
U.S.A.	648	798	915	1071	1420	732	1001	982	1213	1934	100	110	115	124	149	54	63	85	131	173
United Kingdom	31	43	27	38	80	42	51	54	72	108	7	11	12	8	7	13	20	25	11	-
Ireland	-	-	-	12	13	22	39	50	35	35	-	-	-	-	1	-	-	-	-	-
West Germany	13	20	17	15	17	24	30	25	18	25	3	5	3	3	2	-	-	-	-	-
France	20	26	23	23	28	19	24	20	23	38	-	-	-	-	1	-	-	-	-	-
Italy	13	8	6	5	16	13	14	7	13	15	-	-	-	-	1	-	-	-	-	-
The Netherlands	27	42	44	40	43	-	-	-	-	10	3	4	3	3	2	-	-	-	-	-
Sweden	19	9	9	6	7	-	-	-	-	10	-	-	-	-	1	-	-	-	-	-
Mexico	13	10	8	12	7	-	-	-	-	8	10	14	4	3	1	-	-	-	-	-
Brazil	11	5	7	6	8	-	-	-	-	93	3	1	1	-	5	-	-	-	-	-
Saudi Arabia	-	-	-	-	2	8	12	30	24	38	-	-	-	-	1	-	-	-	-	-
Turkey	-	-	-	-	-	17	19	39	60	90	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	11	11	17	56	46	46	-	-	-	-	-	-	-	-	-	-
Japan	15	22	19	32	26	-	-	-	20	30	-	-	-	-	3	-	-	-	-	-
Australia	17	22	23	20	20	-	-	11	20	10	4	7	2	4	4	-	-	-	-	-
All Countries	926	1111	1187	1378	1805	1138	1465	1542	1805	2749	179	194	178	177	204	73	89	112	145	176

	Major Appliances					Small Appliances				
	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
U.S.A.	84	88	100	138	150	15	22	21	25	34
United Kingdom	11	14	10	9	7	4	5	3	3	2
Ireland	-	-	-	-	-	-	-	-	-	-
West Germany	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
The Netherlands	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	7	7	4	3	3	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Australia	3	4	6	4	4	-	-	-	-	1
All Countries	141	157	156	179	193	23	32	29	33	41

TABLE 4 - HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES
EMPLOYMENT TABLE (Yearly Average)

SIC	Description	1980	1981	1982	1983	1984
331	- Small Appliances	5 709	5 146	4 847	4 157	3 658
332	- Major Appliances	9 635	8 459	6 999	7 897	7 715
		15 344	13 605	11 846	12 054	11 373
334	- Radio & Television	4 752	5 057	3 813	3 702	3 857
335	- Communications & Components	39 505	42 755	42 710	43 219	46 171
318	- Office & Store Machinery	7 898	8 705	11 221	13 319	13 978
3911	- Instruments (estm.)	10 979	11 613	11 437	19 141	19 458
330	- Head office, sales & auxiliary units (50%)	1 361	1 501	1 646	N.A.	N.A.
	TOTAL Electronics	64 495	69 631	70 827	79 381	83 464
	All Mfg. Industries	1 613 688	1 623 819	1 471 220	1 672 630	1 670 821
	Electronics as % of all Mfg.	4.0	4.3	4.8	4.7	5.0

Source: Cat. #72-002 - Statistics Canada for companies of 20 employees or more. The 1983 employment figures are not comparable with previous years, because of a different base sample survey.

IMPORTS

ELECTRONICS INDUSTRY & HOUSEHOLD ELECTRICAL APPLIANCES

TABLE 6 - 1984 IMPORTS OF SMALL HOUSEHOLD APPLIANCES,
ELECTRIC & NON-ELECTRIC (SIC 331)

Class No.	Commodity	Total	Supplier Countries													
			United States		Hong Kong		Japan		West Germany		Taiwan		France		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
697-99	Electrical Equip. Appl. & Pts. NES	98001	62971	64.3	3907	4.0	2923	3.0	8088	8.2	2723	2.8	633	0.6	16756	17.1
661-99	Pts. for Electric Cook Appl. NES	66358	42643	64.3	443	0.7	15349	23.1	945	1.4	1130	1.7	33	-	5815	8.8
661-89	Electric Appl. for Cook. Food NES	54283	34716	64.0	8811	16.2	1357	2.5	2562	4.7	1325	2.4	2035	3.8	3477	6.4
692-19	Pts of Electric Cleaning Equip.	41030	39339	95.9	-	-	44	0.1	433	1.1	-	-	80	0.2	1134	2.7
697-19	Food Prep. Appl. Elec. & Pts. NES	29937	13916	46.5	830	2.8	3539	11.8	4223	14.1	82	0.3	4214	14.1	3133	10.4
697-69	Fans, Unit & Vent. Elec. & Pts. NES	29242	16649	56.9	4284	14.7	422	1.4	181	0.6	6463	22.1	-	-	1243	4.3
692-09	Vacuum Clean, Elec. Dom.	28885	25008	86.6	-	-	3070	10.6	800	2.8	-	-	-	-	7	-
697-81	Elec. Hair Styl. Equip. Dom. & Pts.	28130	1015	3.6	19878	70.6	276	1.0	2826	10.0	669	2.4	100	0.4	3366	12.0
692-15	Cleaning Equip., Elec. NES	21396	16582	77.5	1929	9.0	1248	5.8	247	1.2	175	0.8	-	-	1215	5.7
697-04	Food Mixers Juicers Elec. & Pts. NES	18155	5768	31.8	380	2.1	366	2.0	1331	7.3	14	0.1	3052	16.8	7244	39.9

Source: Statistics Canada Cat. #65-007

TABLE 5

Commodity Class No.	Leading Import Classes for the Electronics Industry & Hhld. Elec. Appliances 1984	Value $ Millions
771-22	Electronic computers and parts	4 242.1
638-39	Semi-conductors n.e.s.	591.7
634-75	Tape players, tape recorders (except parts)	563.8
638-31	Integrated circuits	466.2
639-99	Electronic equipment components n.e.s.	365.4
919-47	Photocopy and similar machines and parts	344.0
634-99	Commercial communications equipment n.e.s.	291.7
637-69	Combination radio-phonograph sets	288.6
634-19	Telephone apparatus equipment and parts	237.8
638-49	Parts of semi-conductors	171.4
709-94	Geophysical mineral prosp. equip. and parts	162.0
637-24	Radio receiving sets, automobile	158.4
637-14	TV receiving sets, colour over 19 inch	157.6
702-90	Electric meas. test instruments n.e.s. & parts	149.8
661-17	Microwave ovens	99.2
639-45	Speakers, electronic comms. and parts	98.1
697-99	Electrical equip. appls. & parts n.e.s.	98.0
703-95	Parts of measuring and control instrs. n.e.s.	94.9
637-49	Radio receiving sets n.e.s. (except parts)	85.3
639-10	Capacitors, electronic and parts	83.4
639-60	TV, radio and phonograph set chassis	78.2
703-78	Comb. meas. & multi-function instruments	73.6
709-19	Navigation instruments apparatus and parts	71.8
637-11	TV receiving sets, colour, under 19 inch	67.2
661-99	Parts for electric cooking appls. n.e.s.	66.4
638-19	Electronic tubes n.e.s.	65.6
638-14	Television picture tubes	60.1
771-15	Calculating machines and parts	55.3
638-33	Semi-conductors, transistor type	55.2
661-89	Electric appls. for cooking food n.e.s.	54.3
634-90	Radio transmitting receiving units	48.7
634-95	Radio, TV broad, transm. equip. n.e.s.	48.3
634-45	Sound amplifiers	48.2
639-23	Transformers, electronic type & parts	47.0
639-55	Printed circuit boards	45.5
662-89	Non-elec. equip. for cooking n.e.s.	44.1
703-44	Flow level meas. control. instruments & parts	42.6
692-19	Parts of electric cleaning equipment	41.0
771-48	Typewriters, electric	41.0
771-46	Typewriters, electronic, word proc.	38.8

TABLE 6 (cont'd) - 1984 IMPORTS OF SMALL HOUSEHOLD APPLIANCES, ELECTRIC & NON-ELECTRIC (SIC 331)

Class No.	Commodity	Total	Supplier Countries													
			United States		Hong Kong		Japan		West Germany		Taiwan		France		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
698-35	Flat Irons, Electric & Pts.	16786	6245	37.2	1014	6.1	518	3.1	-	-	20	0.1	1064	6.3	7925	47.2
*653-99	Pts. of Heating Equip. NES	14978	12971	86.6	-	-	189	1.3	264	1.8	420	2.8	181	1.2	953	6.3
661-59	Toasters & Waffle Irons, Electric	11863	9989	84.2	1628	13.7	-	-	-	-	240	2.0	-	-	6	0.1
697-62	Fans Air Circulators Elec. Port & Pt.	10608	3467	32.7	778	7.3	306	2.9	155	1.5	2105	19.8	-	-	3797	35.8
655-29	Humidifiers, Dehumidifiers, & Pts.	8468	4823	57.0	-	-	316	3.7	69	0.8	47	0.6	-	-	3213	37.9
*653-94	Pts. of Water Heaters NES	7372	7314	99.2	-	-	-	-	43	0.6	-	-	-	-	15	0.2
697-85	Electric Can Openers & Pts.	5516	3955	71.7	872	15.8	543	9.9	-	-	-	-	117	2.1	29	0.5
*653-89	Heating Equip. NES	3941	3063	77.7	-	-	4	0.1	13	0.3	10	0.3	59	1.5	792	20.1
*653-71	Water Heaters, NES	3024	2641	87.3	-	-	1	-	22	0.7	247	8.2	-	-	113	3.8

Source: Statistics Canada Cat. #65-007

TABLE 6 (cont'd) - 1984 IMPORTS OF SMALL HOUSEHOLD APPLIANCES, ELECTRIC & NON-ELECTRIC (SIC 331)

Class No.	Commodity	Total	Supplier Countries													
			United States		Hong Kong		Japan		West Germany		Taiwan		France		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
*653-53	Water Tank Heaters, Gas	2407	2326	96.6	-	-	-	-	31	1.3	-	-	-	-	50	2.1
692-29	Floor Polishers, Electric & Pts.	2368	2029	85.7	-	-	-	-	4	0.2	-	-	-	-	335	14.1
653-31	Air Heater, Electric, Portable	1765	816	46.3	-	-	6	0.3	717	40.6	-	-	-	-	226	12.8
661-95	Heating Elements for Elect. Cook. Appl.	1405	821	58.4	-	-	-	-	4	0.3	496	35.3	-	-	84	6.0
697-71	Electric Blankets & Pts.	1176	1167	99.2	-	-	-	-	-	-	-	-	-	-	9	0.8
692-32	Floor Sanders, Electric & Pts.	1145	416	36.3	-	-	3	0.3	510	44.5	-	-	-	-	216	18.9
653-69	Water Tank Heaters Electric	783	734	93.7	-	-	-	-	-	-	-	-	-	-	49	6.3
	* Sub-Total Non-Electrical	31722	28315	89.3	-	-	194	0.6	373	1.2	677	2.1	240	0.8	1923	6.0
	Sub-Total Electrical	477300	293069	61.4	44754	9.4	30286	6.3	23095	4.8	15489	3.2	11328	2.4	59279	12.5
	Total SIC 331	509022	321384	63.1	44754	8.8	30480	6.0	23468	4.6	16166	3.2	11568	2.3	61202	12.0

Source: Statistics Canada Cat. #65-007

TABLE 7 - 1984 IMPORTS OF MAJOR HOUSEHOLD APPLIANCES,
ELECTRIC & NON-ELECTRIC (SIC 332)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Sweden		Italy		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
661-17	Microwave Ovens	99154	18306	18.5	76648	77.3	-	-	397[illegible]	4.0	-	-	-	-	229	0.2
*662-89	Non-Elect. Equip. for Cook NES	44096	37461	85.0	593	1.3	4869	11.0	4	-	96	0.2	158	0.4	915	2.1
698-19	Pts. of Wash. Mach. Elec. Dom.	22710	21445	94.4	1055	4.6	3	-	80	0.4	-	-	13	0.1	114	0.5
655-41	Refrigerators, hold size Electric	22320	14315	64.1	726	3.3	47	0.2	2316	10.4	-	-	988	4.4	3928	17.6
698-05	Wash. Mach. Elec. Auto Dom	19483	15687	80.5	3640	18.7	48	0.3	-	-	-	-	81	0.4	27	0.1
697-54	Dishwasher, Electric, Dom.	18892	18883	99.95	-	-	-	-	-	-	-	-	9	.05	-	-
862-09	Sewing Machines, Dom.	18546	1775	9.6	4145	22.3	6618	35.7	26	0.1	403	2.2	662	3.6	4917	26.5
697-55	Dishwasher Pts. Elec. Dom.	17000	16533	97.3	191	1.1	16	0.1	6	-	-	-	32	0.2	222	1.3
*662-99	Pts. of Non. Elect. Equip. for Cook	15234	13826	90.8	439	2.8	310	2.0	75	0.5	55	0.4	41	0.3	488	3.2
661-15	Cooking stoves, ranges, Elec., Dom.	13964	13780	98.7	-	-	-	-	-	-	-	-	7	-	177	1.3

Source: Statistics Canada Cat. #65-007

TABLE 7 (cont'd) - 1984 IMPORTS OF MAJOR HOUSEHOLD APPLIANCES, ELECTRIC & NON-ELECTRIC (SIC 332)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Sweden		Italy		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
655-49	Pts. of Refrig. & Freezer Hhold size	8472	7551	89.1	57	0.7	2	-	105	1.2	168	2.0	66	0.8	523	6.2
698-55	Clothes Dryers, Elect. Dom	8316	6992	84.1	1029	12.4	-	-	-	-	-	-	271	3.2	24	0.3
*662-11	Cooking Stoves, Ranges Gas, Dom.	7440	7406	99.5	-	-	-	-	-	-	-	-	-	-	34	0.5
*653-29	Heating Stoves & Space Heaters NES	7125	3923	55.1	359	5.0	200	2.8	-	-	11	0.2	231	3.2	2401	33.7
*655-43	Refrigerators, Hhld Size NES	6379	838	13.1	207	3.2	-	-	-	-	3882	60.9	-	-	1452	22.8
697-58	Garbage Disp. Units Elec. Dom. & Pts.	6335	6335	100.0	-	-	-	-	-	-	-	-	-	-	-	-
698-57	Pts of Dom. Clothes Dryers	4371	4345	99.4	6	0.1	-	-	-	-	-	-	-	-	20	0.5
655-06	Air Cond. Units, Room Size	3269	3269	100.0	-	-	-	-	-	-	-	-	-	-	-	-
*662-19	Cook Stoves, Ranges, Dom. NES	2497	1772	71.0	53	2.1	30	1.2	-	-	171	6.8	37	1.5	434	17.4

Source: Statistics Canada Cat. #65-007

TABLE 7 (cont'd) - 1984 IMPORTS OF MAJOR HOUSEHOLD APPLIANCES, ELECTRIC & NON-ELECTRIC (SIC 332)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Sweden		Italy		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
862-16	Pts. of Dom Sewing Mach.	1694	613	36.2	163	9.6	26	1.5	-	-	37	2.2	702	41.4	153	9.1
*698-99	Laundry Equip. Dom. & Pts. NES	1479	605	40.9	1	-	72	4.9	-	-	-	-	-	-	801	54.2
698-09	Wash Mach. Elect. Dom. Size NES	1169	537	45.9	153	13.1	-	-	-	-	-	-	479	41.0	-	-
*698-56	Clothes Dryers, Gas Dom. Sizes	379	379	100.0	-	-	-	-	-	-	-	-	-	-	-	-
862-12	Sew. Mach. Attach. Dom.	243	76	31.3	24	9.9	1	0.4	-	-	6	2.5	36	14.8	100	41.1
*653-24	Heat Stoves & Space Heaters Oil	193	114	59.1	7	3.6	1	0.5	-	-	-	-	53	27.5	18	9.3
655-45	Freezers, Household size	153	151	98.7	-	-	-	-	-	-	-	-	1	0.65	1	0.65
	* Sub-Total Non-Electrical	84822	66324	78.2	1659	2.0	5482	6.4	79	0.1	4215	5.0	520	0.6	6543	7.7
	Sub-Total Electrical	266091	150593	56.6	87837	33.0	6761	2.6	6504	2.4	614	0.2	3347	1.3	10435	3.9
	Total SIC 332	350913	216917	61.8	89496	25.5	12243	3.5	6583	1.9	4829	1.4	3867	1.1	16978	4.8

Source: Statistics Canada Cat. #65-007

TABLE 8 - 1984 IMPORTS OF ELECTRONIC CONSUMER PRODUCTS (SIC 334)

Class No.	Commodity	Total	Supplier Countries													
			Japan		United States		South Korea		Taiwan		Hong Kong		Brazil		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
634-75	Tape Players, Tape Recorders (Exc. Pt.)	563762	519140	92.1	21831	3.9	7854	1.4	4379	0.8	3167	0.5	23	-	7368	1.3
637-69	Combination Radio Phonograph Sets	288619	93112	32.3	71260	24.7	56255	19.5	31224	10.8	17784	6.2	734	0.2	18250	6.3
637-24	Radio Receiving Sets, Automobiles	158413	4302	2.7	102031	64.4	1665	1.1	214	0.1	248	0.2	46912	29.6	3041	1.9
637-14	TV Receiving Sets Colour Over 19 in.	157648	38576	24.5	77150	48.9	32012	20.3	7851	5.0	951	0.6	-	-	1108	0.7
637-49	Radio Receiving Sets NES (Exc. Pts.)	85330	30950	36.3	3350	3.9	6083	7.1	8966	10.5	25587	30.0	-	-	10394	12.2
637-11	TV Receiving Sets Colour Under 19 in.	67247	22427	33.3	3897	5.8	27682	41.2	4363	6.5	591	0.9	-	-	8287	12.3
637-94	Receiving Antennae and Mountings	18732	1392	7.4	15325	81.8	19	0.1	832	4.4	199	1.1	-	-	965	5.2
637-15	TV Receiving Sets Under 19 in. NES	18455	554	3.0	346	1.9	13106	71.0	4271	23.1	-	-	-	-	178	1.0
637-13	TV Receiving Sets Color 19 inches	13016	1662	12.8	10356	79.6	834	6.4	4	-	2	-	-	-	158	1.2
637-59	Phonograph Record Players, Domestic	5812	3923	67.5	145	2.5	-	-	36	0.6	668	11.5	-	-	1040	17.9
634-49	Phonographs, Coin-Operated (Exc. Pts.)	344	-	-	312	90.7	-	-	-	-	-	-	-	-	32	9.3
637-17	TV Receiving Sets 19 in. NES	268	-	-	51	19.0	-	-	207	77.3	-	-	-	-	10	3.7
637-18	TV Receiving Sets over 19 in. NES	141	56	39.7	15	10.7	69	48.9	-	-	-	-	-	-	1	0.7
	Total SIC 334	1377787	716094	52.0	306069	22.2	145579	10.6	62347	4.5	49197	3.6	47669	3.4	50832	3.7

Source: Statistics Canada 65-007

TABLE 9 - 1984 IMPORTS OF COMMUNICATIONS EQUIPMENT
(PART OF SIC 335)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Hong Kong		United Kingdom		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
634-99	Commercial Communications Equip. NES	291732	184387	63.2	67097	23.0	5207	1.8	4296	1.5	189	-	6867	2.4	23689	8.1
634-19	Telephone Apparatus Equip. & Pts.	237830	162002	68.1	32662	13.7	10692	4.5	10051	4.2	11657	4.9	609	0.3	10157	4.3
709-19	Navigation Instruments Apper. & Pts.	71764	62897	87.6	3489	4.9	147	0.2	-	-	696	1.0	1579	2.2	2956	4.1
634-90	Radio Transmitting-Receiving Units	48713	32227	66.2	7676	15.8	2607	5.3	2188	4.5	2777	5.7	390	0.8	848	1.7
634-95	Radio TV. Broadcast Transm. Equip. NES	48342	30232	62.5	13695	28.3	63	0.1	191	0.4	88	0.2	1007	2.1	3066	6.4
720-54	RR & Transit Sig. Systems & Pts. NES	34683	28573	82.4	117	0.3	-	-	-	-	-	-	153	0.4	5840	16.9
720-59	Alarm & Signal Systems & Pts. NES	34601	29265	84.5	1025	3.0	727	2.1	420	1.2	475	1.4	1579	4.6	1110	3.2
634-39	Radar Equip. Rel. Devices & Pts. NES	33279	28307	85.0	1328	4.0	3	-	-	-	34	0.1	2354	7.1	1253	3.8
634-29	Telegraph Apparatus Equip. & Pts.	32085	21425	66.8	8096	25.2	7	-	-	-	-	-	125	0.4	2432	7.6
634-35	Sonar Echo Sounding Rel. Devices Pts.	13657	11337	83.0	955	7.0	4	-	-	-	-	-	595	4.4	766	5.6
	Sub-Total Comms. Equip.	846686	590652	69.8	136140	16.0	19457	2.3	17146	2.0	15916	1.9	15258	1.8	52117	6.2
	Sub-Total Elec. Components	2346273	1806572	77.0	199609	8.5	76408	3.3	20114	0.9	31111	1.3	28589	1.2	183870	7.8
	Total SIC 335	3192959	2397224	75.0	335749	10.5	95865	3.0	37260	1.2	47027	1.5	43847	1.4	235987	7.4

Source: Statistics Canada Cat. #65-007

TABLE 9 (cont'd) - 1984 IMPORTS OF ELECTRONIC COMPONENTS
(OTHER PART OF SIC 335)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		Mexico		Hong Kong		United Kingdom		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
638-39	Semi-Conductors NES	591713	575124	97.2	1275	0.2	1402	0.2	1772	0.3	347	0.1	516	0.1	11277	1.9
638-31	Integrated Circuits	466188	381997	82.0	9032	1.9	15014	3.2	1073	0.2	21293	4.6	3855	0.8	33924	7.3
639-99	Electronic Equip. Components NES	365353	276739	75.8	31443	8.6	9325	2.6	24826	6.8	1949	0.5	4814	1.3	16257	4.4
638-49	Pts. of Semi-Conductors	171436	162713	94.9	3106	1.8	73	-	3	-	125	0.1	3815	2.2	1601	1.0
639-45	Speakers, Electronic Communic. & Pts.	98085	56761	57.9	22029	22.5	7001	7.1	61	-	524	0.5	5487	5.6	6222	6.4
639-10	Capacitors, Electronic & Parts	83356	64834	77.8	3787	4.5	1052	1.3	2189	2.6	4	-	1265	1.5	10225	12.3
639-60	TV, Radio & Phonograph Set Chassis	78155	768	1.0	19346	24.7	13189	16.9	34479	44.1	2564	3.3	-	-	7809	10.0
638-19	Electronic Tubes NES	65638	36541	55.7	14642	22.3	9269	14.1	377	0.6	-	-	3171	4.8	1638	2.5
638-14	Television Picture Tubes	60059	49106	81.8	6282	10.4	1260	2.1	-	-	-	-	-	-	3411	5.7
638-33	Semi-Conductors Transistor Type	55232	48335	87.5	766	1.4	108	0.2	271	0.5	384	0.7	1545	2.8	3823	6.9
634-45	Sound Amplifiers, Except Pts.	48234	12866	26.7	24246	50.2	2029	4.2	-	-	376	0.8	1879	3.9	6838	14.2
639-23	Transformers, Electronic Type & Pts.	47045	31248	66.4	3441	7.3	1127	2.4	202	0.4	429	0.9	203	0.5	10395	22.1
639-55	Printed Circuit Boards	45530	35466	77.9	1233	2.7	5864	12.9	1350	3.0	237	0.5	249	0.5	1131	2.5

Source: Statistics Canada 65-007

TABLE 9 (cont'd) - 1984 IMPORTS OF ELECTRONIC COMPONENTS
(OTHER PART OF SIC 335)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		Mexico		Hong Kong		United Kingdom		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
639-15	Resistors, Electronics & Pts.	34962	26711	76.4	1851	5.3	1690	4.9	1617	4.6	6	-	181	0.5	2906	8.3
639-92	Pts. of Phonograph Record Player NES	34811	3189	9.2	25834	74.2	927	2.7	-	-	83	0.2	868	2.5	3910	11.2
639-50	Tuners	21279	3842	18.1	8873	41.7	4497	21.1	1383	6.5	95	0.4	60	0.3	2529	11.9
639-30	Power Supply Units & Pts. Pack Elec.	17931	12358	68.9	1920	10.7	1214	6.8	-	-	661	3.7	71	0.4	1707	9.5
639-94	Pts. of Tape Players & Recorders, NES	15692	7631	48.6	4601	29.3	149	1.0	111	0.7	1115	7.1	398	2.5	1687	10.8
638-29	Pts. of Electonics Tubes NES	15244	3089	20.3	11425	75.0	7	-	21	0.1	-	-	104	0.7	598	3.9
639-24	Inductors & Coils Electronic & Pts.	13035	5983	45.9	1613	12.4	924	7.1	2984	22.9	13	0.1	26	0.2	1492	11.4
639-40	Microphones & Pts	10554	5236	49.6	2550	24.2	267	2.5	-	-	897	8.5	54	0.5	1550	14.7
639-20	Crystals, Mounted & Holders	4203	3593	85.5	312	7.4	20	0.5	-	-	9	0.2	9	0.2	260	6.2
638-16	Electronic Receiving Tubes	2538	2442	96.2	2	0.1	-	-	13	0.5	-	-	19	0.8	62	2.4
	Sub-Total Elec. Components	2346273	1806572	77.0	199609	8.5	76408	3.3	72732	3.1	31111	1.3	28589	1.2	131252	5.6
	Sub-Total Comms. Equip.	846686	590652	69.8	136140	16.1	19457	2.3	3610	0.4	15916	1.9	15258	1.8	65653	7.7
	Total SIC 335	3192959	2397224	75.0	335749	10.5	95865	3.0	76342	2.4	47027	1.5	43847	1.4	196905	6.2

Source: Statistics Canada Cat. #65-007

TABLE 10 - 1984 IMPORTS OF OFFICE AND STORE MACHINERY (SIC 318)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		Ireland		Netherlands		Italy		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
771-22	Electronic Computers & Pts	4242106	3888239	91.7	114024	2.7	38737	0.9	39420	0.9	6121	0.1	16311	0.4	139254	3.3
919-47	Photocopy & Similar Mach. & Pts.	343987	190251	55.3	121590	35.3	1	-	-	-	25541	7.4	222	0.1	6382	1.9
771-15	Calculating Machines & Pts	55334	11233	20.3	31175	56.3	6890	12.5	-	-	2	-	124	0.2	5910	10.7
771-48	Typewriters, Electric	40986	11977	29.2	17872	43.6	1143	2.8	-	-	4	-	653	1.6	9337	22.8
771-46	Typewriters, Electronic, Word Proc.	38816	22725	58.5	5259	13.6	-	-	-	-	24	0.1	6691	17.2	4117	10.6
771-60	Pts Attach. & Acess for Typewriters	31924	21206	66.4	1824	5.7	-	-	-	-	738	2.3	6242	19.6	1914	6.0
771-12	Addressing, Mail Handling Machine & Pts.	20437	15916	77.9	513	2.5	6	-	-	-	47	0.2	10	0.1	3945	19.3
771-99	Office Machines, Equip. & Pts. NES	19040	14620	76.8	1589	8.3	357	1.9	-	-	-	-	16	0.1	2458	12.9
919-48	Microfilm Equip. & Pts.	17961	14145	78.8	2640	14.7	-	-	-	-	63	0.3	11	0.1	1099	6.1
771-26	Cash Registers	15373	2428	15.8	12770	83.1	-	-	-	-	-	-	-	-	175	1.1
771-32	Coin Handling & Related Mach. & Pts.	15347	13222	86.2	483	3.1	-	-	-	-	-	-	54	0.4	1588	10.3
771-36	Dictating, Transcribing Mach. & Pts.	10822	4658	43.0	2851	26.3	-	-	-	-	419	3.9	-	-	2894	26.8

Source: Statistics Canada 65-007

TABLE 10 (cont'd) - 1984 IMPORTS OF OFFICE AND STORE MACHINERY (SIC 318)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		Ireland		Netherlands		Italy		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
771-40	Duplicating Machines & Pts.	3077	1948	63.3	26	0.8	-	-	-	-	8	0.3	-	-	1095	35.6
771-28	Pts. Attach. & Acess for Cash Registers	2854	1373	48.1	1326	46.5	-	-	-	-	-	-	-	-	155	5.4
919-49	Blue & White Proc. Equip. & Pts.	2596	2394	92.2	26	1.0	-	-	-	-	93	3.6	26	1.0	57	2.2
771-20	Card Punching, Sort and Tab Mach. & Pts.	2581	2282	88.4	8	0.3	-	-	-	-	-	-	5	0.2	286	11.1
771-04	Accounting, Bookkeeping Mach. & Pts. NES	1291	1272	98.5	-	-	-	-	-	-	-	-	-	-	19	1.5
771-52	Typewriters, Portable, NES	1286	31	2.4	880	68.4	-	-	-	-	-	-	-	-	375	29.2
771-56	Typewriters, Standard, Non-Electric	338	5	1.5	67	19.8	-	-	-	-	-	-	-	-	266	78.7
771-08	Adding Machines & Pts.	269	67	24.9	-	-	-	-	-	-	-	-	-	-	202	75.1
	Sub-Total Office Machines	621738	329474	53.0	200891	32.3	8397	1.4	-	-	26939	4.3	14049	2.3	41988	6.7
	Sub-Total Computers	4244687	3890521	91.7	114032	2.7	38737	0.9	39420	0.9	6121	0.1	16316	0.4	139540	3.3
	Total SIC 318	4866425	4219995	86.7	314923	6.5	47134	1.0	39420	0.8	33060	0.7	30365	0.6	181528	3.7

Source: Statistics Canada 65-007

TABLE 11 - 1984 IMPORTS OF INSTRUMENTS AND RELATED PRODUCTS (SIC 3911)

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		West Germany		France		Japan		Sweden		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
709-94	Geophysical Mineral Prosp. Equip. & Pt.	162003	147837	91.3	2084	1.3	165	0.1	7150	4.4	75	-	261	0.2	4431	2.7
702-90	Electric Meas. Test Instr. NES & Pts.	149785	134957	90.1	5501	3.7	2995	2.0	340	0.2	1893	1.3	186	0.1	3913	2.6
703-95	Pts. of Measuring and Control Instr. NES	94941	87624	92.3	2217	2.3	1055	1.1	808	0.9	239	0.3	683	0.7	2315	2.4
703-78	Process. Multi-Function Control. Instrs.	73595	65304	88.7	857	1.2	755	1.0	2232	3.0	1483	2.0	202	0.3	2762	3.8
703-44	Flow Level Meas. Control Instr. & Pts.	42605	40657	95.4	649	1.5	708	1.7	86	0.2	48	0.1	70	0.2	387	0.9
703-75	Pressure Measuring and Control Instr.	34632	30563	88.3	565	1.6	1222	3.5	137	0.4	480	1.4	207	0.6	1458	4.2
703-28	Thermostats	34479	32751	95.0	393	1.1	161	0.5	53	0.1	281	0.8	99	0.3	741	2.2
702-17	Elec. Property Measuring Instr. Pt.	31446	23676	75.3	757	2.4	1167	3.7	36	0.1	2133	6.8	274	0.9	3403	10.8
703-79	Measuring & Controlling Instr. NES	30195	24718	81.9	1658	5.5	1139	3.7	203	0.7	295	1.0	370	1.2	1812	6.0

Source: Statistics Canada 65-007

TABLE 11 (cont'd) - 1984 IMPORTS OF INSTRUMENTS AND RELATED PRODUCTS (SIC 3911)

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		West Germany		France		Japan		Sweden		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
702-18	Oscilloscope, Oscillograph & Access.	23803	17455	73.3	3822	16.1	165	0.7	5	-	1359	5.7	8	-	989	4.2
703-77	PH Measuring & Gas Analysis Instr.	22756	21260	93.4	504	2.2	51	0.2	3	-	163	0.7	13	0.1	762	3.4
702-41	Signal Gen. Test. Oscillators & Pts.	18370	15810	86.1	1062	5.8	817	4.4	12	-	491	2.7	35	0.2	143	0.8
702-22	Elec. Property Recording Instr. & Pt.	15250	13290	87.2	413	2.7	245	1.6	1	-	833	5.5	80	0.5	388	2.5
707-15	Spectrophotometer Colorimeter & Pts.	14341	10709	74.7	1532	10.7	153	1.0	17	0.1	26	0.2	44	0.3	1860	13.0
703-48	Motion Rotation Meas. Cont. Instr. & Pts.	10632	8328	78.3	500	4.7	786	7.4	10	0.1	489	4.6	29	0.3	490	4.6
703-42	Gas Meters & Pts.	10201	10175	99.7	2	-	4	0.1	-	-	20	0.2	-	-	-	-
703-25	Thermometers	10086	8016	79.5	232	2.3	229	2.3	54	0.5	665	6.6	83	0.8	807	8.0
709-95	Nuclear Radiation Meas. Equip. & Pts.	9666	7439	77.0	635	6.6	228	2.3	103	1.1	26	0.3	100	1.0	1135	11.7
703-71	Thermal Measure and Central Instr. NES	8608	7488	87.0	205	2.4	131	1.5	3	-	189	2.2	318	3.7	274	3.2

Source: Statistics Canada 65-007

TABLE 11 (cont'd) - 1984 IMPORTS OF INSTRUMENTS AND RELATED PRODUCTS (SIC 3911)

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		West Germany		France		Japan		Sweden		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
703-62	Meteorological Instr. Appara. & Pt.	5403	3461	64.0	366	6.8	325	6.0	322	6.0	394	7.3	404	7.5	131	2.4
703-73	Humidity Measuring & Control Instr.	4606	3610	78.4	321	7.0	49	1.0	54	1.2	18	0.4	30	0.6	524	11.4
	Total SIC 3911	807403	715128	88.6	24275	3.0	12550	1.6	11629	1.4	11600	1.4	3496	0.4	28725	3.6

Source: Statistics Canada Cat. #65-007

EXPORTS

ELECTRONICS INDUSTRY & HOUSEHOLD ELECTRICAL APPLIANCES

TABLE 12
Leading "Total Export" Classes for The Electronics Industry and The Hhld. Electrical Appliances
1984

Commodity Class No.		Value $ Millions
771-21	Card sort. tab. & computers and parts	1746.2
634-19	Telephone apparatus, equipment & parts	829.8
638-41	Semi-conductors and parts	624.9
634-99	Commercial communication equipment nes	460.6
639-99	Electronic equipment components nes	272.8
709-19	Navigation instruments, apparatus & parts	210.1
634-90	Radio transmitting-receiving units	185.2
637-70	Combin. radio-phonograph sets (exc. pts.)	107.6
703-89	Meas. & meas. control instruments nes	89.6
655-99	Air cond. & refrig. equip. & parts nes	89.5
637-20	Television receiving sets exc. combination	49.3
702-90	Electricity - measuring instruments and parts	45.7
639-55	Printed circuit boards	44.7
709-94	Geophysical equipment & parts nes	34.6
638-21	Electronic tubes and parts	33.7
* 860-99	Household and personal equipment. nes	33.7
771-48	Typewriters, electric	33.4
634-39	Radar equipment & related devices & parts	27.7
655-47	Refrigerators & freezers hhld. size	27.6
703-98	Parts for meas. & meas. control. instruments	26.1
697-99	Electrical equip. appliances & pts. nes	23.6
634-95	Radio, TV broad. transm. equipments nes	19.8
771-99	Office machines & equip. & parts nes	12.5
661-99	Elec. appls. for cooking & parts nes	17.3
637-49	Radio receiving sets	14.3
634-29	Telegraph app. equip. & parts	13.1
662-99	Non-elec. equip. for cooking & parts	12.8
634-45	Sound amplifiers except parts	12.7
639-23	Transformers, electronic type & parts	7.7
661-18	Parts of elec. stoves, ranges & ovens	7.6

* Estimated 50% of total class "Household & Personal Equipment and parts nes", for sewing machines.

TABLE 13 - 1984 DOMESTIC EXPORTS AND RE-EXPORTS OF SMALL HOUSEHOLD APPLIANCES; ELECTRICAL AND NON-ELECTRICAL (SIC 331)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Australia		Hong Kong		Algeria		Cuba		Others	
		'000$	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%
697-99	Elec. Equip. Appls. & Pts.															
	Domestic Exports	20504	17557	85.6	679	3.3	442	2.2	231	1.1	189	0.9	23	0.1	1383	6.8
	Re-Exports	3073	2865	93.2	16	0.5	-	-	105	3.4	-	-	-	-	87	2.9
661-99	Elec. Appls. for cooking & Pts. NES															
	Domestic Exports	15985	12212	76.4	1503	9.4	421	2.6	78	0.5	133	0.8	-	-	1638	10.3
	Re-Exports	1294	1209	93.4	17	1.3	-	-	31	2.4	-	-	-	-	37	2.9
	TOTAL SIC 331															
	Domestic Exports	36489	29769	81.6	2182	6.0	863	2.4	309	0.8	322	0.9	23	0.1	3021	8.2
	Re-Exports	4367	4074	93.3	33	0.8	-	-	136	3.1	-	-	-	-	124	2.8
	Total Exports	40856	33843	82.8	2215	5.4	863	2.1	445	1.1	322	0.8	23	0.1	3145	7.7

Source: Statistics Canada Cat. #65-004

TABLE 14 - 1984 DOMESTIC EXPORTS AND RE-EXPORTS OF MAJOR HOUSEHOLD APPLIANCES; ELECTRICAL AND NON-ELECTRICAL (SIC 332)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Puerto Rico		Australia		Saudi Arabia		Algeria		Others	
		'000$	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%
655-99	Air cond. & refrig. equip. & pts nes															
	Domestic Exports	85321	71988	84.4	953	1.1	1	-	940	1.2	762	0.9	1353	1.6	9324	10.9
	Re-Exports	4152	3922	94.5	58	1.4	16	0.4	-	-	-	-	-	-	156	3.7
*860-99	(50%) Hhld. & Pers. Eq. NES															
	Domestic Exports	31078	26066	83.9	1058	3.4	432	1.4	415	1.3	97	0.3	96	0.3	2914	9.4
	Re-Exports	2620	2024	77.3	76	2.9	5	0.2	6	0.2	-	-	-	-	509	19.4
655-47	Refrig. & freezers, hhld size															
	Domestic Exports	27227	20450	75.1	202	0.7	4020	14.8	99	0.4	258	0.9	-	-	2198	8.1
	Re-Exports	344	311	90.4	-	-	-	-	-	-	-	-	-	-	33	9.6
662-99	Non-elec. equip. for cooking & parts															
	Domestic Exports	12493	7366	59.0	2207	17.7	-	-	371	3.0	233	1.8	103	0.8	2213	17.7
	Re-Exports	326	293	89.9	-	-	-	-	-	-	-	-	-	-	33	10.1
655-49	Pts of hhld refrig. & freezers															
	Domestic Exports	7720	7184	93.0	-	-	35	0.5	-	-	1	-	-	-	500	6.5
	Re-Exports	213	213	100.0	-	-	-	-	-	-	-	-	-	-	-	-
661-18	Pts. for elec. cook. stoves															
	Domestic Exports	7277	3221	44.2	1737	23.9	5	0.1	501	6.9	7	0.1	14	0.2	1792	24.6
	Re-Exports	371	369	99.5	-	-	-	-	-	-	-	-	-	-	2	0.5
698-09	Wash. mach. electric															
	Domestic Exports	5998	1552	25.9	434	7.2	1018	17.0	855	14.2	1084	18.1	-	-	1055	17.6
	Re-Exports	44	-	-	-	-	-	-	-	-	-	-	-	-	44	100.0

Source: Statistics Canada Catalogue #65-004
* Estimated 50% of total class '860-99' for sewing machines.

TABLE 14 (cont'd) - 1984 DOMESTIC EXPORTS AND RE-EXPORTS OF MAJOR HOUSEHOLD APPLIANCES; ELECTRICAL AND NON-ELECTRICAL (SIC 332)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Puerto Rico		Australia		Saudi Arabia		Algeria		Others	
		'000$	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%
698-99	Laundry equip., dom. & pts. NES															
	Domestic Exports	2105	1153	54.8	195	9.3	13	0.6	260	12.3	272	12.9	18	0.9	194	9.2
	Re-Exports	132	129	97.7	-	-	-	-	-	-	-	-	-	-	3	2.3
698-19	Pts. of wash. machs. elec. dom.															
	Domestic Exports	2030	1085	53.4	141	6.9	41	2.0	529	26.1	34	1.7	2	0.1	198	9.8
	Re-Exports	36	36	100.0	-	-	-	-	-	-	-	-	-	-	-	-
860-89	Pts. attach. & access. for sewing machs.															
	Domestic Exports	1490	1382	92.8	-	-	-	-	-	-	-	-	-	-	108	7.2
	Re-Exports	316	300	94.9	-	-	4	1.3	-	-	-	-	-	-	12	3.8
661-12	Elec. cook stoves & ranges															
	Domestic Exports	1176	516	43.9	84	7.2	4	0.3	118	10.0	-	-	59	5.0	395	33.6
	Re-Exports	52	52	100.0	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL SIC 332															
	Domestic Exports	183915	141963	77.2	7011	3.8	5569	3.0	4088	2.2	2748	1.5	1645	0.9	20891	11.4
	Re-Exports	8606	7649	88.9	134	1.6	25	0.3	6	-	-	-	-	-	792	9,2
	Total Exports	192521	149612	77.7	7145	3.7	5594	2.9	4094	2.1	2748	1.4	1645	0.9	21683	11.3

Source: Statistics Canada Cat. #65-004

TABLE 15 - 1984 DOMESTIC EXPORTS AND RE-EXPORTS OF RADIO AND TELEVISION RECEIVERS (SIC 334)

Class No.	Commodity	Total	Country of Destination													
			United States		Puerto Rico		Panama		United Kingdom		Venezuela		Greece		Others	
		'000$	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%
637-70	Comb. radio phonograph sets															
	Domestic Exports	104990	104780	99.8	-	-	-	-	3	-	107	0.1	3	-	97	0.1
	Re-Exports	2583	2551	98.8	-	-	-	-	1	-	-	-	14	0.5	17	0.7
637-20	T.V. receiving sets, excl. combinations															
	Domestic Exports	49110	47275	96.3	1541	3.1	175	0.4	-	-	-	-	-	-	119	0.2
	Re-Exports	208	198	95.2	-	-	-	-	-	-	-	-	3	1.4	7	3.4
637-49	Radio receiving sets															
	Domestic Exports	12761	12705	99.6	-	-	-	-	16	0.1	-	-	-	-	40	0.3
	Re-Exports	1577	1524	96.6	-	-	-	-	-	-	-	-	-	-	53	3.4
637-99	Phonographs & receiving antennae															
	Domestic Exports	3771	3128	82.9	105	2.8	-	-	143	3.8	-	-	18	0.5	377	10.0
	Re-Exports	898	835	93.0	-	-	-	-	3	0.3	-	-	-	-	60	6.7
	TOTAL SIC 334															
	Domestic Exports	170632	167888	98.4	1646	1.0	175	0.1	162	0.1	107	-	21	-	633	0.4
	Re-Exports	5266	5108	97.0	-	-	-	-	4	0.1	-	-	17	0.3	137	2.6
	Total Exports	175898	172996	98.4	1646	0.9	175	0.1	166	0.1	107	0.1	38	-	770	0.4

Source: Statistics Canada Cat. #65-004

TABLE 16 - 1984 DOMESTIC EXPORTS AND RE-EXPORTS OF COMMUNICATION EQUIPMENT (part of SIC 335)

Class No.	Commodity	Total	Country of Destination													
			United States		Brazil		Turkey		United Kingdom		Saudi Arabia		Ireland		Others	
		'000$	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%
634-19	Telephone equip., app. & parts															
	Domestic Exports	820180	522607	63.7	220	-	87119	10.6	42391	5.2	2197	0.3	34083	4.2	131563	16.0
	Re-Exports	9648	8193	84.9	-	-	-	-	94	1.0	2	-	72	0.7	1287	13.4
634-99	Commercial communication equip. nes															
	Domestic Exports	400484	202528	50.6	92280	23.1	2707	0.7	12452	3.1	908	0.2	151	-	89458	22.3
	Re-Exports	60155	53252	88.5	1	-	-	-	1007	1.7	1992	3.3	2	-	3901	6.5
709-19	Navigation instruments, apper. & pts.															
	Domestic Exports	203545	156377	76.8	3	-	104	0.1	10407	5.1	5326	2.6	170	0.1	31158	15.3
	Re-Exports	6535	5791	88.6	-	-	-	-	69	1.1	-	-	-	-	675	10.3
634-98	Radio trans-receiving units															
	Domestic Exports	179661	123016	68.5	-	-	-	-	5475	3.1	25583	14.2	15	-	25572	14.2
	Re-Exports	5492	2315	42.2	-	-	18	0.3	60	1.1	1386	25.2	-	-	1713	31.2
634-39	Radar equip. & rel. devices & pts.															
	Domestic Exports	26647	16578	62.2	-	-	-	-	197	0.7	1	-	-	-	9879	37.1
	Re-Exports	1066	790	74.1	-	-	-	-	194	18.2	-	-	9	0.8	73	6.9
634-95	Radio, T.V. broadc. transm. equip. nes															
	Domestic Exports	17847	10888	61.0	-	-	-	-	1602	9.0	-	-	-	-	5357	30.0
	Re-Exports	1955	1720	88.0	-	-	-	-	28	1.4	-	-	-	-	207	10.6
634-29	Telegraph equip., apper. & parts															
	Domestic Exports	11921	1125	9.4	-	-	-	-	7042	59.1	4	-	-	-	3750	31.5
	Re-Exports	1198	246	20.5	-	-	-	-	947	79.1	-	-	-	-	5	0.4
	Total Communication Equip.															
	Domestic Exports	1660285	1033111	62.2	92503	5.6	89930	5.4	79566	4.8	34019	2.0	34419	2.1	296737	17.9
	Re-Exports	86049	72307	84.1	1	-	18	-	2399	2.8	5380	3.9	83	0.1	7861	9.1
	Total Exports	1746334	1105418	63.3	92504	5.3	89948	5.2	81965	4.7	37399	2.1	34502	2.0	304598	17.4

Source: Statistics Canada Cat. #65-004

TABLE 16 (cont'd) - 1984 DOMESTIC EXPORTS AND RE-EXPORTS OF ELECTRONIC COMPONENTS
(other part of SIC 335)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		South Korea		France		Hong Kong		Japan		Others	
		'000$	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%
638-41	Semi-conductors & parts															
	Domestic Exports	565133	497364	88.0	4353	0.8	9759	1.7	15519	2.7	11266	2.0	3752	0.7	23120	4.1
	Re-Exports	59810	34544	57.8	3361	5.6	45	-	3253	5.5	765	1.3	5688	9.5	12154	20.3
639-99	Electronic equip. components nes															
	Domestic Exports	233263	180572	77.4	7214	3.1	12344	5.3	1634	0.7	597	0.3	2441	1.0	28461	12.2
	Re-Exports	39537	31245	79.0	1341	3.4	338	0.9	325	0.8	322	0.8	342	0.9	5624	14.2
639-55	Printed circuit boards															
	Domestic Exports	39901	32680	81.9	5759	14.4	9	-	27	0.1	116	0.3	192	0.5	1118	2.8
	Re-Exports	4770	4172	87.5	21	0.4	12	0.3	2	-	-	-	14	0.3	549	11.5
638-21	Electronic tubes & parts															
	Domestic Exports	30308	21013	69.4	2959	9.8	36	0.1	99	0.3	39	0.1	133	0.4	6029	19.9
	Re-Exports	3420	2611	76.3	368	10.8	33	1.0	47	1.4	3	0.1	63	1.8	295	8.6
634-45	Sound amplifiers (except parts															
	Domestic Exports	10231	9534	93.2	207	2.0	-	-	48	0.5	7	0.1	57	0.5	378	3.7
	Re-Exports	2512	2463	98.1	-	-	-	-	-	-	-	-	6	0.2	43	1.7
639-23	Transformers, electronic & parts															
	Domestic Exports	7272	6655	91.5	186	2.6	-	-	42	0.6	15	0.2	-	-	374	5.1
	Re-Exports	471	352	74.8	108	22.9	-	-	1	0.2	-	-	-	-	10	2.1
639-15	Resistors, electronic & parts															
	Domestic Exports	4987	4581	91.8	183	3.7	-	-	-	-	-	-	-	-	223	4.5
	Re-Exports	739	599	81.1	3	0.4	-	-	-	-	33	4.4	-	-	104	14.1
639-60	T.V., radio & phonograph set chassis															
	Domestic Exports	55	55	100.0	-	-	-	-	-	-	-	-	-	-	-	-
	Re-Exports	633	21	3.3	-	-	-	-	-	-	-	-	-	-	612	96.7
	TOTAL Electronic Components															
	Domestic Exports	891150	752454	84.4	20861	2.3	22148	2.5	17369	2.0	12040	1.4	6575	0.7	59703	6.7
	Re-Exports	111892	76007	67.9	5202	4.7	428	0.4	3628	3.2	1123	1.0	6113	5.5	19391	17.3
	Total Exports	1003042	828461	82.6	26063	2.6	22576	2.2	20997	2.1	13163	1.3	12688	1.3	79094	7.9

Source: Statistics Canada Cat. #65-004

TABLE 17 - 1984 DOMESTIC EXPORTS AND RE-EXPORTS OF OFFICE AND STORE MACHINERY (SIC 318)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Netherlands		France		Japan		Australia		Others	
		'000$	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%
771-21	Card punch tab. sort & computers & parts															
	Domestic Exports	1328190	1014077	76.4	61310	4.6	36053	2.7	24181	1.8	23189	1.8	16454	1.2	152926	11.5
	Re-Exports	418687	355571	84.9	17698	4.2	7091	1.7	3278	0.8	2847	0.7	841	0.2	31361	7.5
771-48	Typewriters, electric															
	Domestic Exports	32586	32306	99.2	-	-	-	-	-	-	1	-	8	-	271	0.8
	Re-Exports	853	804	94.3	-	-	-	-	-	-	-	-	-	-	49	5.7
771-99	Office mach. equip. & pts. nes															
	Domestic Exports	12454	8488	68.1	548	4.4	122	1.0	600	4.8	49	0.4	655	5.3	1992	16.0
	Re-Exports	5457	4831	88.5	149	2.7	3	0.1	145	2.7	12	0.2	18	0.3	299	5.5
771-60	Pts. attach. & access. for typewriters															
	Domestic Exports	3895	2480	63.7	5	0.1	49	1.3	5	0.1	-	-	1047	26.9	309	7.9
	Re-Exports	2750	1343	48.8	11	0.4	128	4.7	2	0.1	1	-	905	32.9	360	13.1
771-08	Adding machines & pts															
	Domestic Exports	5	4	80.0	-	-	-	-	-	-	-	-	-	-	1	20.0
	Re-Exports	42	42	100.0	-	-	-	-	-	-	-	-	-	-	-	-
771-59	Typewriters nes															
	Domestic Exports	18	7	38.9	-	-	-	-	-	-	-	-	-	-	11	61.1
	Re-Exports	7	7	100.0	-	-	-	-	-	-	-	-	-	-	-	-
771-52	Typewriters, portable, nes															
	Domestic Exports	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Re-Exports	22	-	-	-	-	-	-	-	-	-	-	-	-	22	100.0
	Total SIC 318															
	Domestic Exports	1377148	1057362	76.8	61863	4.5	36224	2.6	24786	1.8	23239	1.7	18164	1.3	155510	11.3
	Re-Exports	427818	362598	84.7	17858	4.2	7222	1.7	3425	0.8	2860	0.7	1764	0.4	32091	7.5
	Total Exports	1804966	1419960	78.7	79721	4.4	43446	2.4	28211	1.6	26099	1.4	19928	1.1	187601	10.4

Source: Statistics Canada Cat. #65-004

TABLE 18 - 1984 DOMESTIC EXPORTS AND RE-EXPORTS OF INSTRUMENTS (SIC 3911)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Brazil		Nigeria		Australia		Netherlands		Others	
		'000$	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%	'000$	%
703-89	Meas. & control instrs. nes															
	Domestic Exports	76150	50445	66.2	2834	3.7	4172	5.5	4087	5.4	1515	2.0	1052	1.4	12045	15.8
	Re-Exports	13433	11671	86.9	177	1.3	1	-	-	-	58	0.4	1	-	1525	11.4
702-90	Electricity meas. instrs. & pts.															
	Domestic Exports	33437	23749	71.0	644	1.9	289	0.9	-	-	552	1.6	89	0.3	8114	24.3
	Re-Exports	12285	10858	88.4	418	3.4	57	0.5	-	-	3	-	5	-	944	7.7
703-98	Pts. of meas. & control instrs.															
	Domestic Exports	21038	15544	73.9	2336	11.1	24	0.1	62	0.3	314	1.5	713	3.4	2045	9.7
	Re-Exports	5027	4633	92.2	101	2.0	-	-	-	-	5	0.1	9	0.2	279	5.5
709-94	Geophysical mineral prospect. equip. & pts.															
	Domestic Exports	20223	10970	54.2	560	2.8	43	0.2	116	0.6	1130	5.6	118	0.6	7286	36.0
	Re-Exports	14356	13769	95.9	182	1.3	-	-	-	-	10	0.1	9	-	386	2.7
703-28	Thermostats															
	Domestic Exports	5463	4441	81.3	104	1.9	11	0.2	-	-	209	3.8	197	3.6	501	9.2
	Re-Exports	277	272	98.2	-	-	-	-	-	-	-	-	-	-	5	1.8
703-71	Thermal meas. & control instrs. nes															
	Domestic Exports	2332	2046	87.7	40	1.7	14	0.6	-	-	8	0.4	151	6.5	73	3.1
	Re-Exports	303	294	97.0	9	3.0	-	-	-	-	-	-	-	-	-	-
	TOTAL SIC 3911															
	Domestic Exports	158643	107195	67.6	6518	4.1	4553	2.9	4265	2.7	3728	2.3	2320	1.5	30064	18.9
	Re-Exports	45681	41497	90.8	887	1.9	58	0.1	-	-	76	0.2	24	0.1	3139	6.9
	Total Exports	204324	148692	72.8	7405	3.6	4611	2.3	4265	2.1	3804	1.9	2344	1.1	33203	16.2

Source: Statistics Canada Cat. #65-004

MISCELLANEOUS TABLES

TRADE COMMODITY CLASSIFICATIONS (1984)

GROUPED BY S.I.C.

HOUSEHOLD ELECTRICAL APPLIANCES INDUSTRY

S.I.C. 331 - SMALL HOUSEHOLD APPLIANCES

	IMPORTS
N.E. Water tank heaters, gas	653-53
N.E. Water heaters nes	653-71
N.E. Heating equipment nes	653-89
N.E. Pts. of water heaters nes	653-94
N.E. Pts. of heating equipment nes	653-99
Air heaters, electric, portable	653-31
Water tank heaters, electric	653-69
Humidifiers & dehumidifiers & parts	655-29
Toasters & waffle irons, electric	661-59
Electric appls. for cooking food nes	661-89
Heating elements for elec. cook. appls.	661-95
Pts. of electric cooking appls. nes	661-99
Vacuum cleaners, elec., domestic	692-09
Cleaning equip. electric nes	692-15
Pts. of elec. cleaning equip.	692-19
Floor polishers, elec. & pts.	692-29
Floor sanders, elec. & parts	692-32
Food mixers, juicers Elec. & pts. nes	697-04
Food prep. appls. elec. & parts	697-19
Fans, air circ., elec. port. & pts.	697-62
Fans, unit vent & roof vent elec & pts.	697-69
Electric blankets & parts	697-71
Elec. hair styling equip. dom & pts.	697-81
Electric can openers & parts	697-85
Electrical equip. appls. & parts	697-99
Flat irons, elec. & parts	698-35

	EXPORTS
Elec appls. for cooking & parts nes	661-99
Elec. equip. appls. & parts nes	697-99

S.I.C. 332 - MAJOR HOUSEHOLD APPLIANCES

	IMPORTS
N.E. Heating stoves, space heaters, oil	653-24
N.E. Heating stoves & space heaters, nes	653-29
N.E. Refrigerators, hhld. size nes	655-43
N.E. Cooking stoves & ranges gas domestic	662-11
N.E. Cooking stoves & ranges, dom. nes	662-19
N.E. Non-elec. equip. for cooking nes	662-89
N.E. Pts. of non-elec. equip. for cooking	662-99
N.E. Clothes dryers, gas domestic size	698-56
N.E. Laundry equip. domestic & parts	698-99
Air cond. units, room size	655-06
Refrigerators, household size, electric	655-41
Freezers, household size	655-45
Pts. of refrigerators, freezers hhld.	655-49
Cooking stoves, ranges electric dom.	661-15
Microwave ovens	661-17
Dishwashers, electric, domestic	697-54
Dishwashers pts. elec. domestic	697-55
Garbage disposal units, elec dom & pts	697-58
Washing mach. elec. automatic, dom.	698-05
Washing mach. elec. domestic size nes	698-09
Pts. of washing mach. elec. domestic	698-19
Clothes dryers, elec. domestic	698-55
Parts of domestic clothes dryers	698-57
Sewing machines, domestic	862-09
Sewing machine attach. domestic	862-12
Pts. of dom sewing machines	862-16

	EXPORTS
N.E. Non-elec. equip for cooking & parts	662-99
Refrigerators & freezers hhld. size	655-47
Pts. of hhld. refrig. & freezers	655-49
Air cond. & refrig. equip. & pts. nes	655-99
Elec. stoves, ranges & ovens	661-12
Pts. of elec. stoves, ranges & ovens	661-18
Washing mach. elec. dom. size	698-09
Pts. of washing mach. elec. domestic	698-19
Laundry equip. dom. & parts nes	698-99
Pts. attach. dom., for sewing mach.	860-89
HHld. & personal equip. & pts. nes (50%)	860-99

TRADE COMMODITY CLASSIFICATIONS (1984)

GROUPED BY S.I.C.

ELECTRONICS INDUSTRY

S.I.C. 334 - HHLD. RADIO & T.V.

	IMPORTS
Phonographs, coin-operated, exc. pts.	634-49
Tape players, recorders exc. pts.	634-75
T.V. receiving sets, color, under 19"	637-11
T.V. receiving sets, color, 19"	637-13
T.V. receiving sets, color, over 19"	637-14
T.V. receiving sets, nes under 19"	637-15
T.V. receiving sets, nes 19"	637-17
T.V. receiving sets, nes over 19"	637-18
Radio receiving sets, automobile	637-24
Radio receiving sets, nes (exc. pts.)	637-49
Phonograph record players, dom exc. pts.	637-59
Comb. radio-phonograph sets exc. pts.	637-69
Receiving antennae & mountings exc. pts.	637-94

	EXPORTS
T.V. receiving sets, exc. comb. exc. pts.	637-20
Radio receiving sets	637-49
Comb. radio-phonograph sets exc. pts.	637-70
Phonographs & dom receiving antennae	637-99

S.I.C. 335 - COMMUNICATIONS EQUIPMENT

	IMPORTS
Telephone appar. equip. & parts	634-19
Telegraph appar. equip. & parts	634-29
Sonar echo sound. & rel. dev. & pts.	634-35
Radar equip. & rel. dev. & pts. nes	634-39
Radio transmitting receiving units	634-90
Radio, T.V., broad. Transm. equip. nes	634-95
Commercial communication equip. nes	634-99
Navigation instr., appar. & pts.	709-19
RR & transit signal system & pts. nes	720-54
Alarm & signal systems & ptc. nes	720-59

	EXPORTS
Telephone appar. equip. & parts	634-19
Telegraph appar. equip. & parts	634-29
Radar equip. & rel. devices & pts.	634-39
Radio transm. - receiving units	634-90
Radio, T.V. broad, transm. equip. nes	634-95
Commercial communication equip. nes	634-99
Navigation instrs., appar. & pts.	709-19

S.I.C. 335 - ELECTRONIC COMPONENTS

	IMPORTS
Sound amplifiers	634-45
Television picture tubes	638-14
Electronic receiving tubes	638-16
Electronic tubes nes	638-19
Pts. of electronic tubes nes	638-29
Integrated circuits	638-31
Semi-conductors, transistor type	638-33
Semi-conductors nes	638-39
Parts of semi-conductors	638-49
Capacitors, electronic & parts	639-10
Resistors, electronic & parts	639-15
Crystals, mounted & holders	639-20
Transformers, electronic type & pts.	639-23
Inductors & coils electronic & pts.	639-24
Power supply units & pts., pks electro.	639-30
Microphone & parts	639-40
Speakers, electronic communication & pts.	639-45
Tuners	639-50
Printed circuit boards	639-55
T.V., radio & phono, sets chassis	639-60
Pts. of phono record players nes	639-92
Pts. of tape players & recorders	639-94
Electronic equip. components nes	639-99

S.I.C. 335 - ELECTRONIC COMPONENTS

	EXPORTS
Sound amplifiers exc. pts	634-45
Electronic tubes & parts	638-21
Semi-conductors & parts	638-41
Resistors, electronic & parts	639-15
Transformers, electronic & parts	639-23
Printed circuit boards	639-55
T.V., radio & phono. sets chassis	639-60
Electronic equip. components nes	639-99

S.I.C. 318 - OFFICE MACHINES

	IMPORTS
Acc. bookkeep. machs. & pts. nes	771-04
Adding machines & parts	771-08
Address., mail handl. machs. & pts.	771-12
Calculating machs. & parts	771-15
Card punch. sort. & tab. machs. & pts.	771-20
Electronic computers & pts.	771-22
Cash registers	771-26
Pts. & attach. for cash registers	771-28
Coin handl. & rel. machs. & pts.	771-32
Dictating & transcr. machs. & pts.	771-36
Duplicating machines & parts	771-40
Typewriters, electronic, word proc.	771-46
Typewriters, electric	771-48
Typewriters, portable	771-52
Typewriters, standard, non-electric	771-56
Pts. attach. & access. for typewriters	771-60
Office machs. equip. & pts. nes	771-99
Photocopy & similar machs. & pts.	919-47
Microfilm equip. & parts	919-48
Blue & white print proc. equip. & pts.	919-49

	EXPORTS
Adding machs. & parts	771-08
Card punch sort tab computers & pts.	771-21
Typewriters, electric	771-48
Typewriters, portable nes	771-52
Typewriters, nes	771-59
Pts. attach. & access. for typewriter	771-60
Office machine & equip. & parts nes	771-99

S.I.C. 3911 - INSTRUMENTS & RELATED PRODUCTS

	IMPORTS
Elec. prop. meas. instr. & pts.	702-17
Oscilloscope, oscillograph & access.	702-18
Elec. prop. record. instrs. & pts.	702-22
Signal gen. & test oscillators	702-41
Elec. & electro. meas. test. instrs. pts.	702-90
Thermometers	703-25
Thermostats	703-28
Gas meters & parts	703-42
Flow level meas. & control. instrs. pts.	703-44
Motion, rotation meas. control. instrs.	703-48
Meteorological instrs. appar. & pts.	703-62
Thermal meas. & control. instr. nes	703-71
Humidity meas. & control instrs.	703-73
Pressure meas. & control instrs.	703-75
PH meas. & gas analysis instrs.	703-77
Comb. meas. & multi function instr.	703-78
Meas. & control. instr. nes	703-79
Parts of meas. & control. instr. nes	703-95
Spectrophotometer colorimeter & pts.	707-15
Geophysical mineral pros. equip. pts.	709-94
Nuclear radiation meas. equip. & pts.	709-95

	EXPORTS
Electricity-meas. instr. & parts	702-90
Thermostats	703-28
Thermal meas. & meas. control. instr.	703-71
Meas. & meas. control instrs. nes	703-89
Pts. for meas. & meas. control instr.	703-98
Geophysical equip. & parts nes	709-94

NOTE: Re-export codes are the same as exports